

产品规格承认书

Product specifications acknowledgment

承认厂商 : FJ Dynamics Technology (Fujian) Co., Ltd.
(Recognized manufacturers)
制造厂商 : Shenzhen Shengda Communication Equipment Co., Ltd
(Manufacturer)
产品名称 : 5.8G omnidirectional rubber rod antenna
(Description)
产品型号 : SD0082JB580001
(Product Type)

Supplier acknowledges		
Confirmation column		
Watchmaker	Reviewer	Approver
li fa	Fu Song	Zhang San

The customer acknowledges	
Confirmation column	
Reviewer	Approver
lin Qiu	Fu Da

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Fu Song	Liu Qiu
APPROVED BY:	Zhang San	Fu Da
DATE:	2023-12-20	2023-12-20

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1. 规格表: Specification Table

产品主要技术参数
Main technical parameters of the product

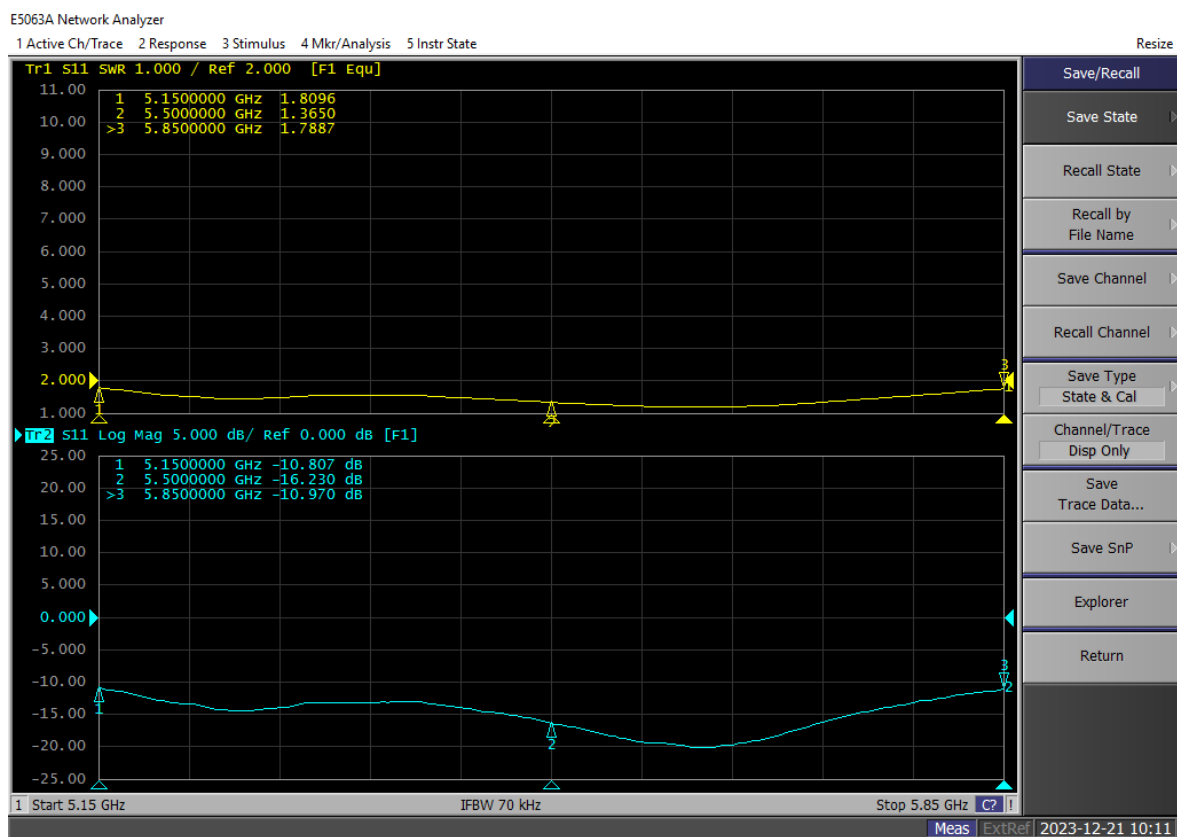
电气参数 Electrical Specifications	
频率范围 Frequency Range (MHz)	5150-5850
带宽 Bandwidth (MHz)	700
增益 Gain (dBi)	3(max)
电压驻波比VSWR	≤2.0
输入阻抗Input Impedance (Ω)	50
极化方式Polarization	垂直Vertical
最大功率 Maximum input power (W)	50
接头型号Input connector type	N Type
机械参数 Mechanical Specifications	
天线尺寸 Dimensions (mm)	Φ20.5*82
天线重量 Antenna weight (kg)	0.055
工作温度 Operating temperature (°c)	-40 ~ 85
极限风速Rated Wind Velocity (m/s)	60
天线罩颜色Radome color	Black
安装方式Mounting way	Straight twist type

3.成品图 Finished product image



Size: $\Phi 20.5 \times 82\text{mm}$

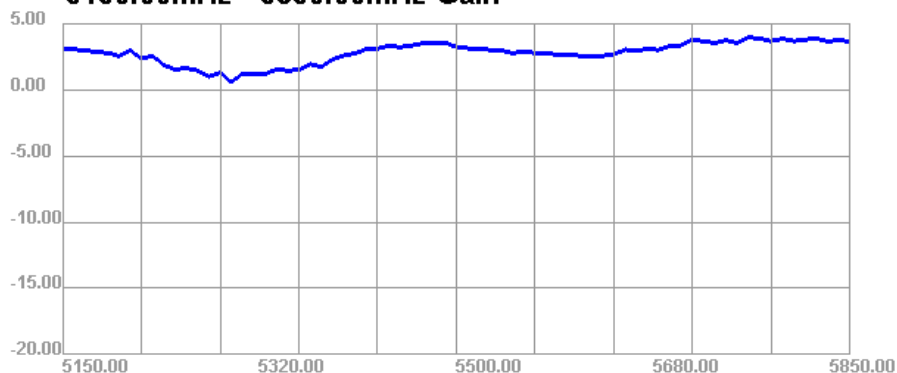
2. 测试报告 Test report



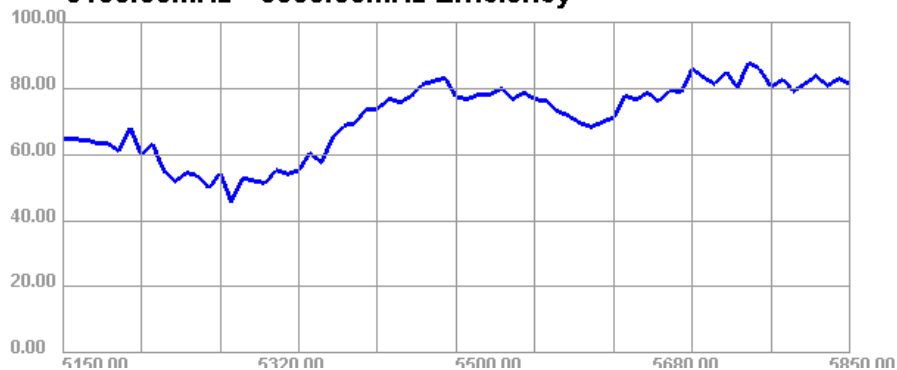
Address: 5th Floor, Building 4, Hanguang Technology Park, No. 5 Chuangye 4th Road, Zhangbei Second Village, Ailian Community, Longgang District, Shenzhen. Phone: 0755-89985723

web: www.szsdtx.com

5150.00MHz - 5850.00MHz Gain



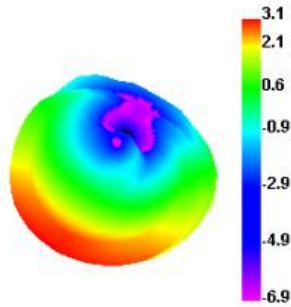
5150.00MHz - 5850.00MHz Efficiency



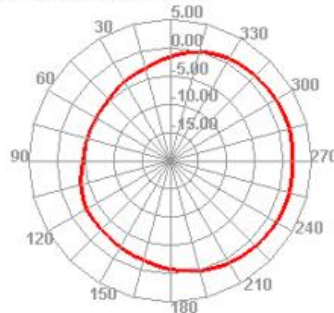
Passive Test For 5.8G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	64.62	-1.9	3.12	0.97	0	0	3.12	-12.71	1.9	45	49.61	49.76
5160	64.54	-1.9	3.06	0.91	0	0	3.06	-11.99	1.9	45	49.56	49.97
5170	64.5	-1.9	2.97	0.82	0	0	2.97	-11.08	1.9	45	49.44	49.75
5180	63.51	-1.97	2.85	0.7	0	0	2.85	-11.14	1.97	45	49.48	49.83
5190	63.31	-1.99	2.78	0.63	0	0	2.78	-11.65	1.99	45	49.53	49.84
5200	61.07	-2.14	2.56	0.41	0	0	2.56	-12.38	2.14	45	49.63	49.96
5270	53.69	-2.7	1.46	-0.69	0	0	1.46	-14.47	2.7	45	49.94	49.97
5280	49.81	-3.03	1.02	-1.13	0	0	1.02	-14.73	3.03	45	49.91	49.96
5290	54.37	-2.65	1.31	-0.84	0	0	1.31	-15.3	2.65	45	50.03	50.03
5300	45.74	-3.4	0.57	-1.58	0	0	0.57	-16.06	3.4	45	50.25	50.17
5310	52.86	-2.77	1.23	-0.92	0	0	1.23	-14.83	2.77	45	49.92	49.93
5320	52.06	-2.83	1.21	-0.94	0	0	1.21	-14.21	2.83	45	50.75	50.61
5330	51.37	-2.89	1.19	-0.96	0	0	1.19	-13.57	2.89	45	50.01	49.93
5340	55.3	-2.57	1.55	-0.6	0	0	1.55	-12.62	2.57	15	50.38	50.29
5350	54.07	-2.67	1.45	-0.74	0	0	1.45	-12.74	2.67	15	50.47	50.32
5360	55.2	-2.58	1.51	-0.64	0	0	1.51	-12.81	2.58	15	50.28	50.15
5370	60.51	-2.18	1.94	-0.21	0	0	1.94	-12.67	2.18	15	50.53	50.38
5460	77.57	-1.1	3.33	1.18	0	0	3.33	-16.14	1.1	0	50.18	50.19
5470	81.24	-0.9	3.51	1.36	0	0	3.51	-16.44	0.9	0	50.24	50.2
5480	82.21	-0.85	3.54	1.39	0	0	3.54	-16.71	0.85	0	50.28	50.4
5490	83.16	-0.8	3.58	1.43	0	0	3.58	-16.84	0.8	0	50.27	50.26
5500	77.36	-1.11	3.23	1.08	0	0	3.23	-17.34	1.11	0	50.18	50.21
5510	76.73	-1.15	3.14	0.99	0	0	3.14	-17.69	1.15	15	50.17	50.22
5600	71.66	-1.45	2.64	0.49	0	0	2.64	-12.74	1.45	15	50.56	50.48
5610	69.54	-1.58	2.57	0.42	0	0	2.57	-12.97	1.58	15	50.38	50.34
5720	83.33	-0.79	3.65	1.5	0	0	3.65	-10.65	0.79	0	50.9	50.82
5730	81.23	-0.9	3.54	1.39	0	0	3.54	-11.17	0.9	0	51.15	51.09
5740	85.01	-0.71	3.75	1.6	0	0	3.75	-11.7	0.71	0	50.89	50.87
5750	80.21	-0.96	3.52	1.37	0	0	3.52	-12.83	0.96	0	50.87	50.75
5760	87.83	-0.56	3.95	1.8	0	0	3.95	-13.62	0.56	0	50.93	50.81
5770	85.82	-0.66	3.89	1.74	0	0	3.89	-15.22	0.66	0	50.7	50.72
5780	80.27	-0.95	3.67	1.52	0	0	3.67	-17.28	0.95	0	50.78	50.75
5790	82.7	-0.82	3.86	1.71	0	0	3.86	-18.85	0.82	0	50.71	50.67
5800	79.18	-1.01	3.68	1.53	0	0	3.68	-19.72	1.01	0	50.85	50.75
5810	81.35	-0.9	3.78	1.63	0	0	3.78	-19.53	0.9	0	50.82	50.83
5820	83.78	-0.77	3.87	1.72	0	0	3.87	-18.56	0.77	0	51.28	51.2
5830	80.78	-0.93	3.66	1.51	0	0	3.66	-17.84	0.93	0	50.98	51.06
5840	82.87	-0.82	3.74	1.59	0	0	3.74	-16.49	0.82	30	51.5	51.25
5850	81.46	-0.89	3.66	1.51	0	0	3.66	-15.05	0.89	0	51.03	51.11



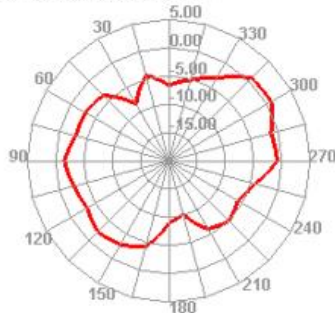
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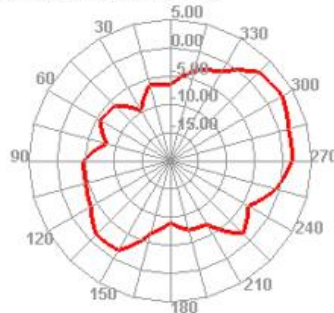
5150.000MHz H



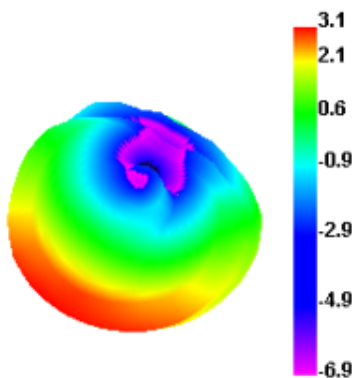
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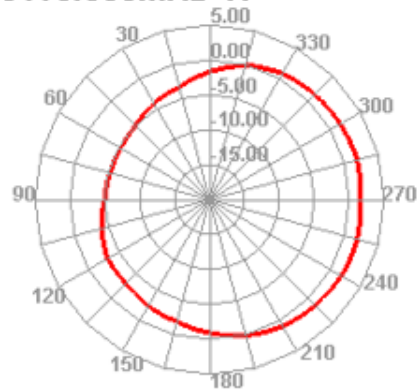
5150.000MHz E2



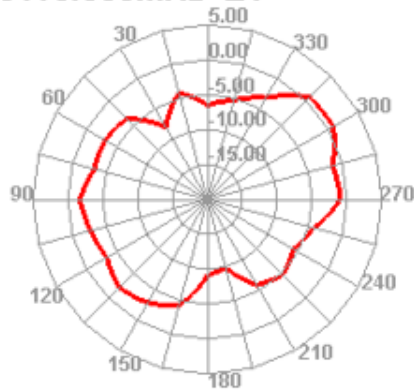
5160.000MHz



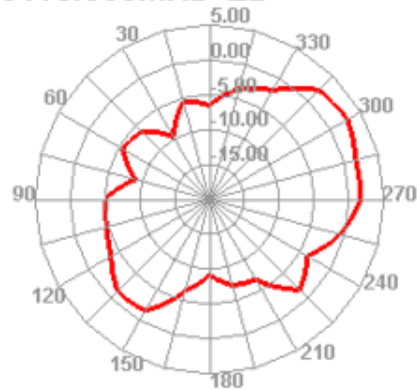
5160.000MHz H



5160.000MHz E1

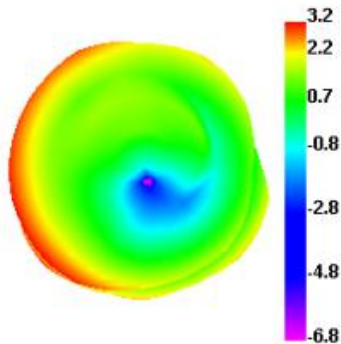


5160.000MHz E2

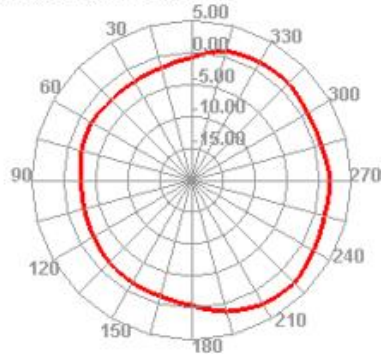




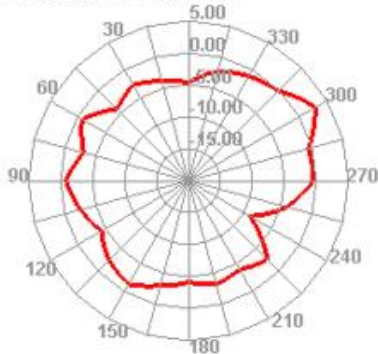
5500.000MHz



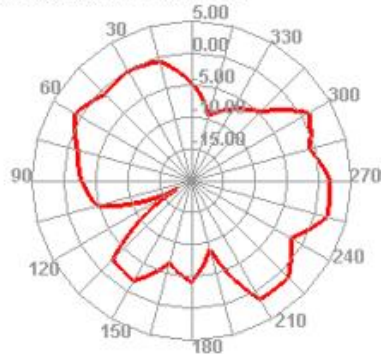
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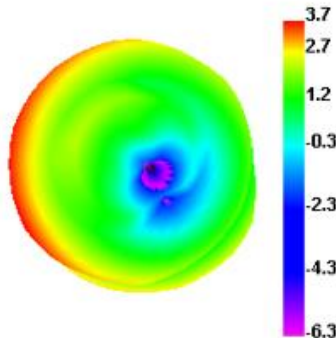
5500.000MHz E1



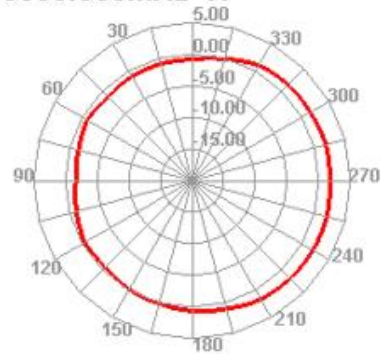
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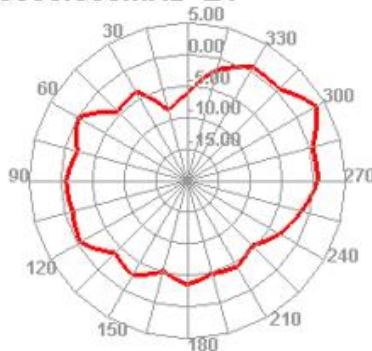
5850.000MHz



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

